Role-Based Access Control (RBAC)

AWX User Types

There are three distinct types of users in AWX:

- **Normal User:** Normal users have read and write access only to the specific resources (such as inventory, projects, and job templates) for which they have been granted the appropriate roles and privileges.
- **System Auditor:** Auditors have implicit read-only access to all objects within the Tower environment.
- **System Administrator:** Also known as a Superuser, a Tower System Administrator has full read and write privileges over the entire Tower installation. They are typically responsible for managing all aspects of the Tower and delegating day-to-day tasks to various users. **Assign with caution!**

1- Create User Permissions

1. Start by navigating to the AWX Graphical User Interface.
2. Once there, locate the "Users" section within the "Access" category.
3. Click on the "Add" button to proceed.
4. Fill in the required information as prompted.
5. In the "User Type" field, select one of the following options:
   - Normal user
   - System Auditor
   - System Administrator

2- Create Team Permissions:

1. Navigate to the "Access" category within the AWX GUI.

2. Select the "Teams" section.

3. Click on the "Add" button to create a new team.

4. Provide the necessary information for the new team as prompted.

5. After creating the team, locate your team in the "Teams" section.

6. Click on your team to access its settings.

7. Navigate to the "Roles" tab within the team settings.

8. Click on the "Add" button to assign new roles to your team.
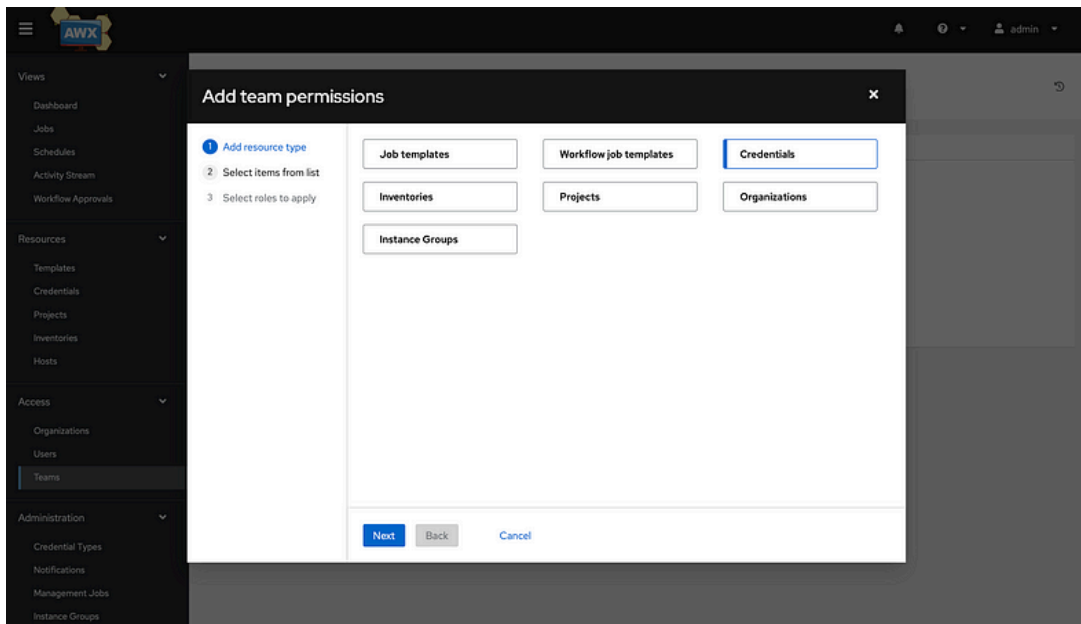
9. To give team members access to resources like "Job templates", "Workflow Job Templates", and "Credentials", navigate to the "Roles" section within your team settings. Then, select the appropriate options based on your team's needs.
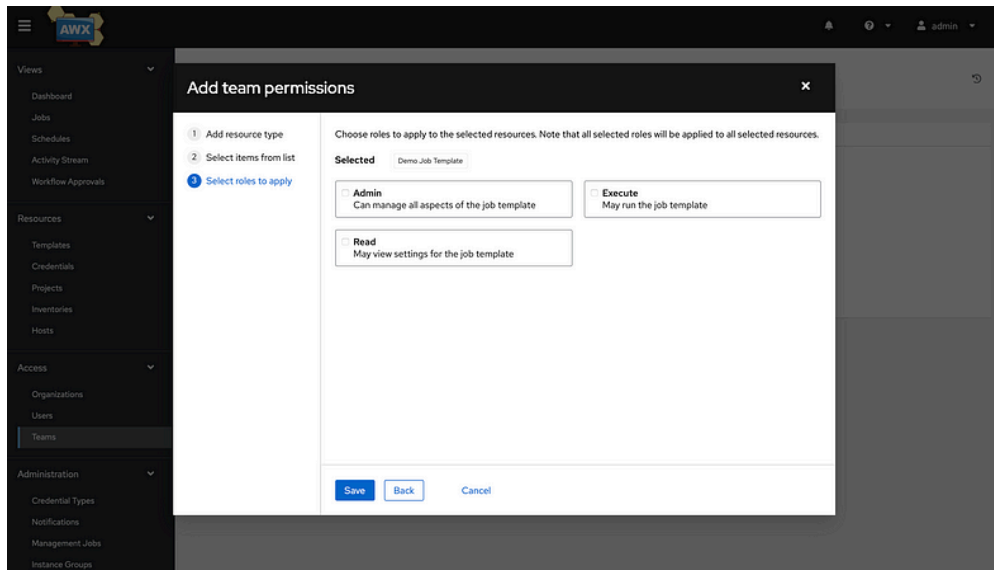
10. Choose the appropriate roles to apply to the resource based on your team's needs.

11. Feel free to add your users to your team according to your preferences in the "Access" part of your team's settings.

3- Manage Organization Permissions

Organizations are a logical collection of Users, Teams, Projects, and Inventories.

The highest level in the Tower object hierarchy is the Organization.
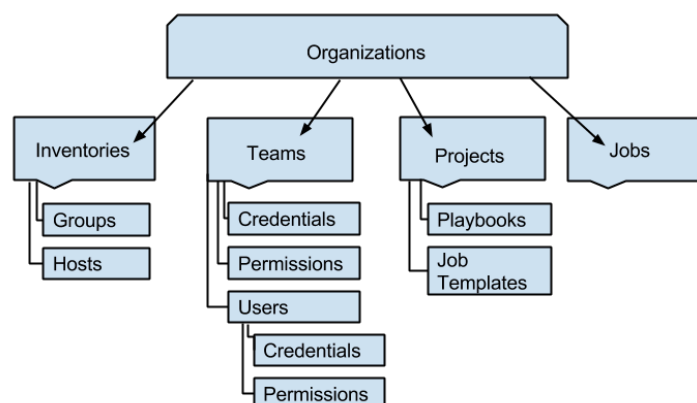
To establish a new organization, navigate to the "Access" category, proceed to "Organizations," and select "Add."

Once the organization has been created, access the organization settings, navigate to the "Access" section, and proceed to add the desired resources.

AWX RBAC (Role-Based Access Control) efficiently manages user permissions in a company. It aligns roles with users' responsibilities and access needs, ensuring resource protection and smooth collaboration. AWX RBAC simplifies security, tasks, and compliance, creating a structured and secure environment for enterprise operations.